

medium sheet
BRUHAT BANGALORE MAHANAGAR PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

First and Final Bill

Job code : 015-18-000011

Name of the Contractor : Smt K. Jayamma

Agreement No: EE/SWD/DHZ /AGMT/06/2017-18 dtd 04-01-2018.

Work Order No: EE/SWD/DHZ/WO/05/2017-18 dtd:04-01-2018.

Approval Authority : Commissioner BBMP

Administrative Approval No: CE (SWD) Admin/102/2016-17 Date: 23-08-2016

Technical sanction No: CE (SWD) Tech /Sanction/104/2016-17 Date: 23-08-2016

Part & Final Bill

ABSTRACT BILL

Sl No	Description Of Work	Unit	Qty	Rate	Amount
1	KSRRB M200-12.3 Dismantling of Existing Structures like Culverts, Bridges, Retaining Walls and other structures comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding where ever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. (Prestressed/ reinforced cement concrete grade M20 and above) as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 4	cum	6.75		
	Total Qty	Cum	6.75	250.00	1687.50
2	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Storm water drain in Bangalore City including disposing off the same as directed including cost of machinery labour, fuel etc., complete (By Mechanical Means) with all lead and lifts for disposing off to designated site as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 2	cum	194.40		
	Qty. Recorded vide page No. 2	cum	109.44		
	Qty. Recorded vide page No. 2	cum	131.85		
	Qty. Recorded vide page No. 3	cum	391.48		
	Sub Total	cum	827.17		
	Deduct Pre-measurement Area lead of drain		-330.55		
	Deduct Shrinkage 15%		-74.49		
	Total Qty	Cum	422.12	600.00	253272.63
3	Diversion of water course by providing coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc... complete beyond 1.50m depth upto & including 3m depth all leads and lifts as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 6	Cum	43.20		
	Qty. Recorded vide page No. 6	Cum	50.40		
	Total Qty	Cum	93.60	320.00	29952.00

SI No	Description Of Work	Unit	Qty	Rate	Amount
4	Excavation in marshy soil upto 3m depth for foundation of structures as per drawing and technical specifications, removing the excavated stuff to a lead of 15m, including dewatering, shoring, refilling trenches in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. V. Marshy Soil - B Mechanical means as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 7	Cum	108.00		
	Qty. Recorded vide page No. 14	Cum	184.50		
	Qty. Recorded vide page No. 20	Cum	69.08		
	Qty. Recorded vide page No. 24	Cum	64.18		
	Total Qty	Cum	425.75		
	up to 125%	Cum	215.28	110.00	23680.80
	Above 125%	Cum	210.47	140.30	29529.47
5	KSSRB M2100-2.1 Earth work in excavation for foundation of structures such as culverts, bridges etc., as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications in Ordinary soil - B. Mechanical Means (i) Depth upto 3m MORTH Specification No. 304 as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 7	cum	304.20		
	Qty. Recorded vide page No. 14	cum	363.30		
	Total Qty	Cum	667.50		
	Limited to Approval Qty	Cum	502.33	50.00	25116.5
6	KSSRB M2100-5.1 Earth work Excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications as per MORTH specification No.304 . in Marshy soil upto 3m depth(By manual means) as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. —	Cum	0.00		
	Total Qty	Cum	0.00	0.00	0.00
7	KSSRB M2100-1.1 Earth work in Excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per MORTH specification No.304 B. in Ordinary soil upto 3m depth(By manual means) as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. —	Cum	0.00		
	Total Qty	Cum	0.00	0.00	0.00

SI No	Description Of Work	Unit	Qty	Rate	Amount
8	Providing and filling in foundation with Granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 8	Cum	43.20		
	Qty. Recorded vide page No. 15	Cum	70.43		
	Qty. Recorded vide page No. 20	Cum	32.40		
	Qty. Recorded vide page No. 24	Cum	25.87		
	Qty. Recorded vide page No. 29	Cum	36.42		
	Total Qty	Cum	208.31		
	up to 125%	Cum	148.76	2000.00	297520.00
	Above 125%	Cum	59.547	2093.16	124641.92
9	KSRB 2.8 : Providing and Filling in foundation with granite I trap broken metal 100mm (available boulders obtained from dismantling of masonry including charges for breaking into pieces) and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 9	Cum	3.38		
	Total Qty	Cum	3.38	1200.00	4050.00
10	KSRRB M2100-10 - Plain Cement Concrete M10 with OPC cement @ 220 kgs, with crushed 40mm and down size graded metal coarse aggregates @ 0.84 Cum and fine aggregates @ 0.56 Cum, in foundation mechanically mixed placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No.2100 all leads and lifts as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 8	Cum	22.11		
	Qty. Recorded vide page No. 15	Cum	22.14		
	Qty. Recorded vide page No. 20	Cum	14.85		
	Qty. Recorded vide page No. 24	Cum	11.88		
	Qty. Recorded vide page No. 29	Cum	16.99		
	Qty. Recorded vide page No. 31	Cum	5.33		
	Qty. Recorded vide page No. 34	Cum	7.02		
	Total Qty	Cum	100.33	5800.00	581914.00

Sl No	Description Of Work	Unit	Qty	Rate	Amount
11	KSRRB M 2100-17.2 : Plain/reinforcement Cement Concrete design mix M25 with OPC cement @340 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70Cum and fine aggregates @0.47Cum with superplasticiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, open foundation complete as per Drawing and Technical Specification with Batching plant, transit mixer and concrete pump. MORTH Specification No. 1500, 1700 & 2100 all leads and lifts as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 13	Cum	42.76		
	Qty. Recorded vide page No. 19	Cum	42.80		
	Qty. Recorded vide page No. 23	Cum	31.50		
	Qty. Recorded vide page No. 28	Cum	25.20		
	Total Qty	Cum	142.25	5800.00	825050.00
12	KSRRB M 2200-5.12 : Design mix M25 sub structure with OPC cement @340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7Cum and fine aggregates @0.47Cum with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008 upto 5 mtrs. Upto 5 Mtrs height all leads and lifts as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 13		48.18		
	Qty. Recorded vide page No. 19		50.61		
	Qty. Recorded vide page No. 23		31.50		
	Qty. Recorded vide page No. 28		26.25		
	Total Qty	Cum	156.54	6800.00	1064472.00
13	KSRRB M2300-8.1. Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, Case - II : Using Batching Plant, Transit Mixer & Concrete Pump MORTH Specification No. 1500,1600 & 1700. Height upto 5 m all leads and lifts as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 47	Cum	10.09		
	Total Qty	Cum	10.09		
	up to 125%	Cum	1.31	7000.00	9170.00
	Above 125%	Cum	8.78	7662.72	67278.69

SI No	Description Of Work	Unit	Qty	Rate	Amount
14	Supplying, fitting and placing TMT bar reinforcement in sub-structure complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 all leads and lifts as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 10	MT	0.67	0.66	
	Qty. Recorded vide page No. 11	MT	3.11		
	Qty. Recorded vide page No. 12	MT	3.11		
	Qty. Recorded vide page No. 16	MT	3.28	3.11	
	Qty. Recorded vide page No. 17	MT	3.11		
	Qty. Recorded vide page No. 18	MT	0.90	0.73	
	Qty. Recorded vide page No. 21	MT	2.41	2.24	
	Qty. Recorded vide page No. 22	MT	2.25	2.24	
	Qty. Recorded vide page No. 25	MT	2.56		
	Qty. Recorded vide page No. 26	MT	1.25	1.24	
	Qty. Recorded vide page No. 27	MT	0.36	0.19	
	Qty. Recorded vide page No. 35	MT	1.71		
	Total Qty	MT	24.71	48000.00	1186080.00
15	Supplying, fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 all leads and lifts as directed by the Engineer in charge of the work.		22.3		
	Qty. Recorded vide page No. 45	MT	0.83		
	Qty. Recorded vide page No. 46	MT	0.34		
	Total Qty	MT	1.17		
	up to 125%	MT	0.15	50000.00	7500.00
	Above 125%	MT	1.02	63808.84	65085.02
16	PVC pipes 2.50 kg/sqm 110mm outer dia as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 50	Rmt	79.50		
	Total Qty	Rmt	79.50	160.00	12720.00
17	KSRRB M2200.9. Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2500.4.2.2 of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification complete as per specifications with all lead and lifts, etc., after breaking of clods complete as per specifications and as per direction				
	Qty. Recorded vide page No. 51	Cum	102.22		
	Qty. Recorded vide page No. 51	Cum	169.94		
	Total Qty	Cum	272.16		
	up to 125%	Cum	259.88	1200.00	311856.00
	Above 125%	Cum	12.28	1283.23	15758.06

SI No	Description Of Work	Unit	Qty	Rate	Amount
18	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering including cost of all labour complete as per specifications all leads and lifts as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. —	cum	0.00		
	Total	cum	0.00	0.00	0.00
19	KSRRB M100-1 Collecting, Conveying and disposal of surplus/excavated earth including Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum to designated dumping site all leads and lifts for disposal as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 52	cum	1563.17 1608.26		
	Total Qty	cum	1608.26	100.00	160826.38
20	KSRRB 4-1.5 : Providing and laying in position plain Cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.43cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 all leads and lifts as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. —	cum			
	Total Qty	cum	0.00	0.00	0.00
21	Supplying and fixing MS. Rectangular poles made out of 2 equal angles of 65x65-6m m welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 crns. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting. (excluding cost of earth work and concrete)				
	Qty. Recorded vide page No. 48	Rmt	166.40		
	Total Qty	Rmt	166.40	900.00	149760.00
22	Providing and fixing MS block pipe of 38mm dia of heavy guage of 14 including removing the bends, cutting the pipes and fixing pipe in between the two vertical poles (M.S rectangular poles) and spot welding the chain link with M.S block pipe including cost of all materials wastage in cutting and scaffolding wherever necessary with all lead and lift as directed by the engineer in charge of work etc, complete including two coats of approved quality paint over one coat of shop paint				
	Qty. Recorded vide page No. 48	Rmt	693.20		
	Total Qty	Rmt	693.20	300.00	207960.00

Sl No	Description Of Work	Unit	Qty	Rate	Amount
23	Providing chain link fencing 50 mm size of 8 gauge properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint.				
	Qty. Recorded vide page No. 49	Sqm	438.34		
	Total Qty	Sqm	438.34	500.00	219170.00
24	Providing and fixing 50mm diameter and 750mm long perforated GI pressure relief pipe with one end closed by perforated GL plate and other end provided with alluminium lid hinged to pipe including cost of all materials,labour, drilling 8mm dia holes etc., complete all leads and lifts as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. -	nos	0.00		
	Total Qty	nos	0.00	0.00	0.00
25	WRD: Providing and fixing 20mm thick 150mm depth tarfelt expasion joint filler board for cement concrete lining of canal including cost of all materils, labour etc., Complete all leads and lifts as directed by the Engineer in charge of the work.				
	Qty. Recorded vide page No. 50	Sqm	56.80		
	Total Qty	Sqm	56.80	100.00	5680.00

SI No	Description Of Work	Unit	Qty	Rate	Amount
EIRL ITEMS					
E-1	cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading danger lighting etc., in the Asphalt surface road including cost of materials labour HOM complete as per specification (P269/37.38)				
	Qty. Recorded vide page No. 37	Cum	32.40		
	Total Qty	cum	32.40	336.65	10907.46
E-2	KSRRB M200-12.3 Dismantling of Existing Structures like Culverts, Bridges, Retaining Walls and other structures comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding where ever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per				
	Qty. Recorded vide page No. 5	Cum	8.64		
	Total Qty	Cum	8.64	1011.93	8743.08
E-3	KSRRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications,				
	Qty. Recorded vide page No. 43	Cum	226.80		
	Total Qty	Cum	226.80	251.50	57040.20
E-4	KSRRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.				
	For Road Side Drain				
	Qty. Recorded vide page No. 32	Cum	4.79		
	Qty. Recorded vide page No. 32	Cum	6.39		
	Qty. Recorded vide page No. 36	Cum	6.32		
	Qty. Recorded vide page No. 36	Cum	8.42		
	Total Qty	Cum	25.92	6869.62	178060.55
EI-5	Supplying and fixing Precast reinforced concrete slab 30 cm thick including cost of reinforcement as per desing and drawing materials cost transpotion, hire charges of machinery, machine cutting the verticle face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all				
	Qty. Recorded vide page No. 44	sqm	111.24		
	Total Qty	sqm	111.24	5431.12	604157.79
EI-6	Supplying and fixing Precast reinforced concrete slab 10 cm thick including cost of reinforcement as per desing and drawing materials cost transpotion, hire charges of machinery, machine cutting the verticle face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materials (data rate) M-20 Grade				
	Qty. Recorded vide page No. 44	sqm	52.53		
	Total Qty	sqm	52.53	1854.69	97426.87

Sl No	Description Of Work	Unit	Qty	Rate	Amount
EI-7	KSRB 12-3.1 : Providing and laying in position plain cement concrete of mix M 7.5 using 40mm and down size graded granite / trap metal for haunching of 230mm internal diameter stoneware pipes, concrete machine mixed laid in layers not exceeding 15 cms thick, well compacted, including cost of materials, labour charges, form work, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1 / 4.2				
	Qty. Recorded vide page No. 38	Rmt	84.40		*
	Total Qty	Rmt	84.40	739.64	62425.616
EI-8	KSRB 12-5.1 : Constructing brick masonry circular type manhole 0.91 m internal dia at bottom 0.91m deep and 0.56m dia at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 50 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming IS : 12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechineries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately) Specification No. KBS 12.4				
	Qty. Recorded vide page No. 39	No	2.00		*
	Total Qty	No	2.00	20916.78	41833.56
EI-9	KSRB 12-8.3 : Constructing brick masonry inspectlori chamber 600x850mm, and 450mm depth, (clear inside dimension) for pipeline with three or more inlets, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover With frame (light duty) 455x610mm internal dimensions, total weight of coverl with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finished smooth with a floating coat of cement on walls				
	Qty. Recorded vide page No. 39	No	3.00		
	Total Qty	No	3.00	8730.10	26190.30
EI-10	KSRB 12-8.3.1 : Extra for item no. KSRB12-8.3 depth beyond 450mm and brick masonry chamber with table moulded non-modular bricks of class designation 50 in cement mortar 1:5 for every 150mm depth or part thereof including cost of materials, labour charges, curing complete				
	Qty. Recorded vide page No. 40	No	12.00		*
	Total Qty	No	12.00	958.46	11501.520

SI No	Description Of Work	Unit	Qty	Rate	Amount
EI-11	KSRB 13-9.1 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications				
	Qty. Recorded vide page No. 41	Mtr	50.00		
	Total Qty	Mtr	50.00	344.57	17228.500
EI-12	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete, (internal work exposed on wall) 20mm nominal OD pipes				
	Qty. Recorded vide page No. 41	Mtr	84.00		
	Total Qty	Mtr	84.00	168.32	14138.88
EI-13	KSRB13-6.5-1 : Providing and fixing in position 15mm nominal bore brass ferrule with C.I mouth cover including boring and tapping the P main, cost of all materials, labour and HOM of equipments with all leads complete as per specifications. 20 mm dia nominal				
	Qty. Recorded vide page No. 42	Mtr	7.00		
	Total Qty	Mtr	7.00	594.09	4158.63
EI-14	Providing and laying cement concrete using 20mm and down size aggregate coarse aggregates and fine aggregates of ready mixed concrete H f' for RCC works laid in 15 cm thick layers and well compacted including 1%: vibrating curing etc., with all lead and lift etc., complete, (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete M-30				
	Qty. Recorded vide page No. 42	cum	22.66		
	Total Qty	cum	22.66	6181.47	140065.929
EI-15	Providing and laying cement concrete using 20mm and down size aggregate coarse aggregates and fine aggregates of ready mixed concrete H f' for RCC works laid in 15 cm thick layers and well compacted including 1%: vibrating curing etc., with all lead and lift etc., complete, (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete M-30				
	Qty. Recorded vide page No. 30	cum	22.37		
	Qty. Recorded vide page No. 33	cum	29.48		
	Total Qty	cum	51.85	111.89	5801.385
	Grand Total				6959411.23

Kabir
Assistant Engineer
BBMP- SWD, Dasarahalli Zone
BBMP

Hehmm
Assistant Executive Engineer
BBMP- SWD, Dasarahalli Zone
BBMP

BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Premeasurments Countd. On :							
	Description of work	Unit	No	Dimensions			Quantity
				L	B	D	
BOQ No. 2	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Strom water drain in Bengaluru City including disposing off the same as directed including cost of machinery labour, fule, etc, complete (By Mechanical Means)with all lead and lifts for disposing off to designated site						
	Pre measurement Area Lead drain	Cum					
			1	30.00	2.40	0.60	43.20
			1	30.00	2.40	0.50	36.00
			1	30.00	2.40	0.45	32.40
			1	30.00	2.40	0.45	32.40
			1	18.00	2.40	0.60	25.92
		U/s					
			1	30.00	1.50	0.60	27.00
			1	30.00	1.50	0.70	31.50
			1	30.00	1.50	0.65	29.25
			1	30.00	1.50	0.85	38.25
			1	30.00	1.20	0.50	18.00
			1	21.00	1.20	0.66	16.63
	Total quantity						330.55

BRUHAT BENGALURU MAHANAGARA PALIKE								
Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15								
Sl. No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
Premeasurments Countd. On : 06/05/19								
2	BOQ No-2	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Strom water drain in Bengaluru City including disposing off the same as directed including cost of machinery labour, fule, etc, complete (By Mechanical Means)with all lead and lifts for disposing off to designated site						
		Lead drain	Cum	1	30.00	2.40	0.95	68.40
		NH-4 to Urdu school		1	30.00	2.40	0.85	61.20
				1	30.00	2.40	0.90	64.80
		Total quantity						194.40



Babbar 06/05/19
Assistant Engineer,
SWD Dasarahalli Zone, BBMP.

SH hummer
Assistant Executive Engineer,
SWD Dasarahalli Zone, BBMP.

SWD Dasaraballi Zone, BIMP.										
SWD Dasaraballi Zone, BIMP.										
Premeasurments Countd. On : 06/05/2019										
2	BOQ No-2	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Strom water drain in Bengaluru City including disposing off the same as directed including cost of machinery labour, fule, etc, complete (By Mechanical Means)with all lead and lifts for disposing off to designated site								
		Lead drain	Cum	1	30.00	2.40	0.95	68.40		
		NH-4 to Urdu school		1	18.00	2.40	0.95	41.04		
		Total quantity							109.44	



Babbar 06/05/19
Assistant Engineer,
SWD Dasarahalli Zone, BBMP.

SH hummer
Assistant Executive Engineer,
SWD Dasarahalli Zone, BBMP.

Premeasurments Countd. On : 07/05/2019								
2	BOQ No-2	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Strom water drain in Bengaluru City including disposing off the same as directed including cost of machinery labour, fule, etc, complete (By Mechanical Means)with all lead and lifts for disposing off to designated site						
		Lead drain	Cum	1	30.00	1.50	1.00	45.00
		NH-4 to Urdu school		1	30.00	1.50	0.98	44.10
				1	30.00	1.50	0.95	42.75
		Net Quantity						131.85



Babbar 07/05/19
Assistant Engineer,
SWD Dasarahalli Zone, BBMP.

SH hummer
Assistant Executive Engineer,
SWD Dasarahalli Zone, BBMP.